

Appl. No. 10/621,149
Amendment dated April 22, 2008
Reply to Office Action mailed January 9, 2008

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

1. (Currently Amended) A method of writing information to a storage device, the method, implemented in the storage device comprising:
receiving a dual write command to write information to the storage device;
determining two locations on the storage device to write the information;
performing a single reading of the information to be written into a read buffer;
writing the information to both of the two locations based on the single reading of the information;
wherein the read buffer is not cleared between the writing of the information to both of the two locations; and
wherein a first one of the two locations is within a reserve area of the storage device and a second one of the two locations is outside of the reserve area of the storage device;
wherein one of said two locations is determined based on an address spread within the dual write command.

2. through 3. (Cancelled)

4. (Previously Presented) The method of claim 1 wherein the information to be read is associated with a bit flag designating a dual write operation.

5. (Previously Presented) The method of claim 1 wherein the information to be read contains header designating a dual write operation.

6. through 8 (Cancelled)

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9. (Previously Presented) The method of claim 1 wherein the storage device comprises a disk drive.

10. (Cancelled)

11. (Currently Amended) The method of claim 1 wherein the two locations comprise the first~~a first~~ location and the second~~a second~~ location, the second location being based upon a calculation performed on the first location.

12. (Original) The method of claim 1 wherein the information is written to both of the locations during a same write cycle.

13. (Original) The method of claim 1 wherein writing the information to both locations comprises writing the information to a plurality of locations comprising both locations and at least one additional location.

14. (Previously Presented) A method of writing information to a single disk drive storage device, the method comprising:

receiving a command to write information to the single disk drive storage device;

determining if the command is a dual write command;

if the command is a dual write command:

determining two locations on the single disk drive storage device to write the information;

reading the information to be written into a read buffer; and

writing the information to both of the two locations on the single disk drive storage device based upon a single reading of the information,

said locations being determined based on an address spread within the dual write command.

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15. (Cancelled)

16. (Original) The method of claim 14 wherein a read buffer of the storage device is not cleared between the writing of information to both of the two locations.

17. (Original) The method of claim 14 wherein one location is within a reserve area of the storage device which is not accessible to a user.

18. (Cancelled)

19. (Original) The method of claim 14 wherein data is first written into a location having a lower address than the location at which the data is written a second time.

20. through 29. (Cancelled)

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30. (Currently Amended) A method of writing information to a storage device, the method implemented in the storage device comprising:

- receiving a dual write command to write information to the storage device;
- determining two locations to write the information;
- performing a single reading of the information to be written into a read buffer;
- writing the information to both of the two locations based on the single reading of the information;
- wherein the read buffer is not cleared between the writing of the information to both of the two locations; and;
- wherein the information to be read contains a header designating a dual write operation [[[;]]]
- ~~wherein a first one of the two locations is within a reserve area of the storage device and a second one of the two locations is outside of the reserve area of the storage device.~~

31. (Currently Amended) A method of writing information, the method implemented in the storage device comprising:

- receiving a dual write command to write information to the storage device;
- determining two locations to write the information;
- performing a single reading of the information to be written into a read buffer;
- writing the information to both of the two locations based on the single reading of the information; ~~and~~
- wherein the two locations are determined based upon a percentage of a read size of the storage device; and
- wherein the information to be read contains a header designating a dual write operation.

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32. (Previously presented) A method of writing information to a storage device, the method implemented in the storage device comprising:

- receiving a dual write command to write information to the storage device;
- determining two locations to write the information;
- performing a single reading of the information to be written into a read buffer;
- writing the information to both of the two locations based on the single reading of the information;
- wherein the read buffer is not cleared between the writing of the information to both of the two locations;
- wherein one of the two locations is within a reserve area of the storage device;
- wherein the reserve area is a protected area that is protected from access by a user; and
- wherein the dual write command is a hard drive firmware command.

33. (Previously presented) The method of claim 1 wherein the reserve area is not within the comprehension of the operating system.

34. (Cancelled)

35. (Previously presented) The method of claim 1 wherein the reserve area of the storage device is determined prior to the writing of the information to both of the two locations.

36. (Previously presented) The method of claim 1 wherein access to the first one of the two locations in the reserve area is not dependent upon accessibility of the second one of the two locations outside of the reserve area of the storage device.

37. (Previously presented) The method of claim 1 additionally comprising providing a reserve area on the storage device that is not accessible by the operating system.